

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW^{1/4}SE^{1/4}SW^{1/4} sec. 6, T. 13 S., R. 6 E., Sanpete County, Hydrologic Unit 14060007, on left bank 300 ft downstream from old Mammoth Dam, 5.5 mi upstream from mouth, and 7 mi west of Scofield.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1930 to September 1931, May 1940 to September 2003 (discontinued).

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,400 ft above NGVD of 1929, from topographic map. October 1930 to September 1931, at different datum, May 1940 to September 1954, at datum 0.50 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion above station for irrigation in Sevier River basin, part of which is water diverted into Gooseberry Creek from Boulger Creek. A small reservoir on Gooseberry Creek 5 mi above station, capacity about 1,900 acre-ft is used to regulate these diversions. Flow also affected by small reservoir 1 mi above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 419 ft³/s, May 22, 1984; maximum gage height, 3.37 ft May 27, 1986; no flow Nov 11, 1964, Sep 23-26, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 246 ft³/s, May 18, gage height, 2.78 ft; minimum daily discharge, 0.24 ft³/s, Dec 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	2.3	e0.98	e0.49	1.5	e1.7	2.4	25	82	10	3.4	3.3
2	4.3	2.2	e0.80	e0.47	2.3	e1.8	e2.8	28	73	9.4	3.8	3.3
3	7.7	1.8	e0.75	e0.51	2.3	e1.8	e2.6	38	65	9.0	5.7	3.0
4	5.0	1.5	e0.60	e0.57	e1.7	e2.0	e2.4	33	59	8.5	4.6	2.7
5	4.1	1.2	e0.49	e0.62	e1.4	e1.9	e2.6	27	52	8.1	3.9	3.5
6	4.2	1.1	e0.44	e0.66	e1.7	e1.9	e2.3	24	41	7.6	3.4	3.6
7	4.4	1.2	e0.35	e0.70	e1.8	1.9	e1.9	28	37	7.2	3.3	2.8
8	4.0	2.6	e0.33	e0.75	e1.7	e1.7	e1.8	30	34	6.8	3.0	2.6
9	3.4	5.6	e0.28	e0.73	e1.6	e2.0	e1.9	26	31	6.2	3.1	2.5
10	3.0	4.1	e0.27	e0.71	e1.4	e1.9	e2.3	23	29	6.1	3.1	3.6
11	2.7	3.4	e0.28	e0.73	e1.5	e1.9	e4.1	21	27	5.9	3.2	3.4
12	2.3	2.8	e0.28	0.73	e1.6	e2.1	6.3	27	26	5.6	3.0	2.9
13	2.3	2.6	e0.26	e0.78	1.7	2.4	9.3	45	25	5.6	3.1	2.3
14	2.1	2.6	e0.24	e0.82	1.9	2.8	13	68	23	5.3	2.9	2.2
15	2.2	2.5	e0.26	0.85	1.9	e2.8	13	101	21	5.1	3.5	2.5
16	2.2	2.3	e0.28	e0.83	e1.7	3.0	e10	138	20	5.0	3.5	2.7
17	2.1	2.3	e0.36	0.85	e1.7	e3.2	e9.9	161	20	5.0	3.4	2.1
18	2.1	2.1	e0.41	e0.91	e1.6	e2.9	11	210	19	5.5	2.9	2.0
19	2.1	2.0	e0.41	e0.90	e1.5	e2.5	8.8	179	18	5.6	2.7	2.3
20	2.1	1.9	e0.46	e0.90	1.6	2.3	e8.3	163	17	5.0	2.6	2.3
21	2.2	1.7	e0.49	e0.96	1.7	e2.1	11	180	16	4.8	3.0	2.3
22	2.2	1.4	e0.47	1.0	e1.8	e2.1	12	186	16	4.7	3.5	2.8
23	2.5	1.5	e0.46	1.00	e1.8	2.5	e12	180	15	5.1	4.2	2.7
24	2.9	1.7	e0.45	1.0	e1.9	e3.0	14	168	18	5.2	3.3	3.2
25	3.0	e1.8	e0.46	1.1	e2.0	e2.6	24	157	19	4.6	3.6	3.1
26	2.8	e1.7	e0.40	e1.2	e2.0	e2.4	37	147	15	4.2	4.1	3.0
27	2.6	e1.4	e0.41	e1.2	e1.9	e2.0	40	134	14	3.9	4.6	3.0
28	2.6	e1.3	e0.43	e1.2	e1.8	e1.7	38	123	13	3.4	4.8	3.0
29	2.7	e1.2	e0.46	e1.3	---	e1.7	36	114	12	3.2	5.7	3.1
30	2.8	e1.2	e0.48	e1.3	---	e1.8	34	104	11	3.3	7.5	2.9
31	2.5	---	e0.49	1.4	---	e1.9	---	93	---	3.4	5.3	---
TOTAL	94.1	63.0	13.53	27.17	49.0	68.3	374.7	2,981	868	178.3	117.7	84.7
MEAN	3.04	2.10	0.44	0.88	1.75	2.20	12.5	96.2	28.9	5.75	3.80	2.82
MAX	7.7	5.6	0.98	1.4	2.3	3.2	40	210	82	10	7.5	3.6
MIN	2.1	1.1	0.24	0.47	1.4	1.7	1.8	21	11	3.2	2.6	2.0
AC-FT	187	125	27	54	97	135	743	5,910	1,720	354	233	168

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

MEAN	4.80	4.50	3.68	3.31	3.33	4.21	18.4	100	58.8	13.4	7.01	4.94
(WY)	(1983)	(1983)	(1942)	(1984)	(1984)	(1972)	(1942)	(1952)	(1983)	(1983)	(1965)	(1965)
MAX	13.5	11.6	9.00	7.83	7.37	10.6	55.4	239	239	47.9	16.7	14.1
(WY)	(1979)	(1991)	(2003)	(2001)	(2002)	(2002)	(1975)	(1977)	(1992)	(1977)	(1977)	(1977)
MIN	0.65	1.92	0.44	0.22	0.53	0.95	3.37	12.9	9.35	3.75	1.96	1.89

GREEN RIVER BASIN

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1941 - 2003
ANNUAL TOTAL	3,032.77	4,919.50	
ANNUAL MEAN	8.31	13.5	19.0
HIGHEST ANNUAL MEAN			40.7
LOWEST ANNUAL MEAN			4.65
HIGHEST DAILY MEAN	92	May 6	419 May 22, 1984
LOWEST DAILY MEAN	0.24	Dec 14	0.00 Sep 23, 1966
ANNUAL SEVEN-DAY MINIMUM	0.27	Dec 9	0.06 Sep 22, 1966
ANNUAL RUNOFF (AC-FT)	6,020	9,760	13,760
10 PERCENT EXCEEDS	24	29	49
50 PERCENT EXCEEDS	2.2	2.8	5.0
90 PERCENT EXCEEDS	0.50	0.72	2.5

e Estimated

